

Precision LCR Meter

AT-100



Product Features

- 4.3" LCD Display
- System provides 50 Hz — 100 kHz(10points)
- Output impedance 30 Ω , 100 Ω
- Basic Accuracy 0.1%
- Test Volt. Normal: 0.1V、0.3V、1V
- Software upgrade by USB HOST

Test Item

| Z|, |Y|, C, L, X, B, R, G, D, Q, θ

RANGE	
Z , R, X	0.01m Ω — 99.999 M Ω
Y , G, B	0.0001 μ S — 99.999 S
C	0.0001 pF — 9.9999 F
L	0.0001 μ H — 999.99 H
D	0.0001 — 9.9999
Q	0.0001 — 99999
θ	-179.99 $^{\circ}$ — 179.99 $^{\circ}$

Specifications

Temp. Humidity		0 $^{\circ}$ C — 40 $^{\circ}$ C, $\leq$ 90%RH
Power	Volt.	110V $\pm$ 10% Or 220 $\pm$ 10%
	Freq	47.5Hz — 63Hz
Power consumption		$\leq$ 30VA
Size (W $\times$ H $\times$ D)		240mm*90mm*310mm

Weight	About 2.5kg
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Comprehensive	
Test Freq.	50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz, 40kHz, 50kHz,100kHz, (10 points)
Basic Accuracy	0.05%
Equivalent Circuit	Series, Parallel
Comparator	Upper and Lower test limits in units and percentage
Test mode	Auto, Continued, Manual
Touch mode	Internal, Manual, External
Test speed ($\geq 1\text{kHz}$)	Fast: 40t/sec, Medium: 11t/sec, Slow: 3t/sec
average number	1—255
Delay Time	0—60s, 1ms step
Calibration	open/ short / load
Test configuration	Five end
Display mode	Δ , $\Delta\%$, V/I (Voltage / current monitoring)
LCD	4.3'LCD
Test signal	
Freq.	50 Hz—100 kHz
Output impedance	30 Ω , 100 Ω (Select)
Test Volt.	Normal: 0.1V、0.3V、1V Accuracy: 10%
Memory	100(Internal) , 500 (External)
Interface	RS232C、HANDLER、USB HOST, (OPTION GPIB)

Purchase information

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Accessories

AT26001A	Four wire Kelvin cable
AT26004-1	Four wire Kelvin cable
AT26010A	Gold plated circuit / Short board
AT26009B	SMD test clamp
AT26008A	SMD test box
AT10201	Software